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CNL Assignment - 5

whats socket? poplain diff types. Socket:

> Its an end point of two way communication link the two programs running on the network. The sock mechanism provides a means of interpresses communication (IPC) by establishing named contact points blu which communication takes place.

They're generally applied in client-server communication. The server executes a socket & attaches it to network post address & then waits for dient to contact it.

Types:

Octagram Socket:

point for sending & receiving packets its similar to mailbox. Stream socket:

Its type of intexprocess communication socket which provides a connection oriented, sequenced & unique flow of data. without second boundaries will well defined mechanisms for creating e destroying connections & for detecting orners.

Q2. Deflexentiate bet TCP & UPP

It's communications protocol, using 1. Its same as TCP except which data is transmitted the systems that this dosen't guarantee error over the network. In this, the data is checking I data seconomy UDP, data transmitted in form of packets. will be sent continuously, Includes error chedding quarantees delivery. istespective of issues in serve

2. Its connection-oriented 2. Its connection lens 3. Data is transmitted in a particular 3 There's no sequencing of data ordering is managed by the sequence which means that packets arrives in-order at seceiver end application layer. 4. Its slow & less efficient 4. Its faster than ICPL more efficient 5. Retainsmission of data not 5. Retransmission of data possible possible. Explain FTP pootocol. Q.3. file townsfer protocol is standard network protocol used to toursfex computer fles from one host to another over TCP based network, such as internet. FTP is built on dient-server architecture & uses separate control & data connections between dient & server. FTP users may authenticate thomselves using a clear-text sign in protocol, pormally in form of username & paramond but can connect annonymously if server is configured to allow it for secure transmission, FIPS - SSL/7LS may be used. write steps involved in establishing a socket on dient 0.4. & server side. corecting a connection blue client server using TCP: Sewer Using execute (), compute TCP socket Using bind (), bind socket to server address Using listen (), put somer socket in passive mode where it was for dient to approach. 4. Using accept(), establish connection between client & server 5. Goto step 3 continue.

client: Corecte TCP socket, Connect newly considered client socket to serve